

# Appendix G

## Your Local Area Template

### INTRODUCTION TO JURISDICTION TEMPLATE FOR K-3 AND 4-6 MODULES

Many jurisdictions may find that *Closing the Loop* is an informative resource that will assist the city or county in reaching the mandated goals of the Integrated Waste Management Act of 1989. In addition to using the curriculum to meet these goals, some jurisdictions have taken it one step further and customized *Closing the Loop's* "Background Information for Teachers," which follows each lesson, to reflect their programs. Below is a template that jurisdictions can use to adapt the *Closing the Loop* curriculum.

There is also an example provided by the City and County of San Francisco that shows how that jurisdiction used the template to adapt the "Background Information for Teachers" from one lesson on composting.

If you work with a city or county and would like to adapt *Closing the Loop* to reflect the programs going on in your area, please contact the California Integrated Waste Management Board, Office of Integrated Education, at (916) 341-6769. We look forward to working with you.

### JURISDICTION TEMPLATE

# - # Module

Unit #: [Title of Unit Here]

**Information and Resources for [Name of Jurisdiction Here] Teachers**

#### Background Information

#### **Waste Management Highlights in the Jurisdiction**

- What is the amount of waste generated and recycled in the jurisdiction?

For example: Highlight a program and refer to the amount of waste (maybe focus on a specific material type) generated, recycled, and disposed of by the jurisdiction. Include pertinent statistics or percentages associated with the program.

**Note:** Possible contacts may include but are not limited to the following: local landfill operators, recycling centers, jurisdiction's

recycling coordinator, state governments, nonprofit groups, environmental groups, and community groups.

- What is the program? What are the goals of the program?
- What need does this program meet in your jurisdiction, or why was this program chosen over another program?
- What are the short-term goals and long-term goals? What needs to be done to reach those goals?
- Who is responsible for carrying out these program goals?
- What challenges does the jurisdiction face? (For example, there may be certain waste materials that need targeting because there are no significant efforts to reduce this material type from ending up in the landfill.)
- What approaches have other jurisdictions used that may be adapted?

#### **Local Support and Program Descriptions**

- List local supporters that presently assist the jurisdiction in reaching its goal(s).

Name of organization

Contact, phone number, Web site address, e-mail address

The function of this organization is to . . . (mission statement).

The organization has contributed to the success of meeting the jurisdictional goal(s) by . . . or, so far, the organization has accomplished . . .

- List key contacts that may be willing to provide assistance in reaching the jurisdiction's goal(s).

Name of organization

Contact, phone number, Web site address, e-mail address

The function of this organization is to . . . (mission statement).

How can this organization assist the jurisdiction in meeting its goal(s)?

How can this partnership be mutually beneficial for both the organization and the jurisdiction?

**Resources Available in [Name of Jurisdiction Here]**

**Educational programs and projects**

Name of program or project

Contact, phone number, e-mail address, Web site address

The purpose of this program or project is...

This program or project provides the following as resources.

Receive further information by contacting...

**Speakers, Training, Workshops, Conferences, Fairs, and Field Trips**

Name of event

Contact, phone number, e-mail address, Web site address

A brief description of event and what will be gained by attending this event

Receive further information by contacting...

**Videos**

Title of video

Description of video and length of video

Contact, phone number, e-mail address, Web site address

Receive information on the materials by contacting...

**Slides**

Title of slide

Description of slide

Contact, phone number, e-mail address, Web site address

Receive information on the materials by contacting...

**Curriculum and Activity Guides**

Title of curriculum or activity guide

Description of curriculum or activity guide

Contact, phone number, e-mail address, Web site address

Receive information on the materials by contacting...

**Books**

Title of book

Description of book

Contact, phone number, e-mail address, Web site address

Receive information on the materials by contacting...

**Services and Contacts**

Name of organization

Contact, phone number, Web site

Description of service or resource provided by the organization

Fees of service or resource

# EXAMPLE OF A JURISDICTION USING THE TEMPLATE PROVIDED

## 4-6 MODULE UNIT 3: COMPOSTING

### Information and Resources for San Francisco Teachers

#### Background Information

Organic materials make up 28 percent of San Francisco's waste stream, almost twice the amount of glass, metals, and plastics combined. Therefore, efforts to divert organics from the landfill are instrumental in reaching the 50 percent waste reduction goal for the year 2000. "Organic materials" include food, wood, and "green" waste. Food waste accounts for 15 percent of the waste stream; wood waste (pallets and construction debris), for 8 percent; and green waste (yard trimmings, flowers, Christmas trees), for 5 percent. If we compost these materials, we can reduce the amount of waste we send to the landfill, while recycling our organic waste into rich, fertile soil.

The San Francisco Recycling Program (SFRP) works with a number of other agencies to provide programs to reduce organic waste in the city. Currently, programs in San Francisco include food redistribution (through such organizations as the San Francisco Food Bank, and Food Runners); animal feed; rendering; Christmas tree recycling; wood reuse and remanufacturing; and compost or mulch production. The compost and mulch program has a number of components that all San Franciscans can easily participate in.

SFRP in partnership with the San Francisco League of Urban Gardeners (SLUG) promotes and implements a comprehensive residential composting program. It includes training for volunteers to conduct outreach in their communities; distribution of discounted compost bins; free composting workshops; educational centers and hotline consultations. Those composting in their backyard diverted over 3,000 tons of organic material in 1997.

As of February, 1998, over 100 businesses participated in SFRP's Commercial Produce Composting Program. Fruits, vegetables, floral waste, and waxed cardboard boxes are collected through a partnership between SFRP and Sunset Scavenger Company and recycled into compost at a regional composting facility. This past year, over

4,000 tons of organic commercial waste was diverted from the landfill.

A pilot program to collect residential organic waste has successfully diverted more than 200 tons in its first five months. Yard trimmings and/or fruit and vegetable scraps are collected from more than 6,000 households in nine areas of the city and recycled into compost at a regional facility. Much of the city's composting goes on behind the scenes at city parks. Most of the end product is used in the parks and the rest is used on roadways. The City's Recreation and Parks Department composts and mulches approximately 22,000 tons per year of landscape debris and manure.

Many San Francisco schools work with SFRP to sustain their own composting programs in the classroom, on the campus, and in the cafeteria. Each year SFRP gives technical assistance grants to several schools for setting up school-wide composting programs. Elementary schools which have participated in the past are Rooftop Alternative, Lawton Alternative, and Bret Harte. The education staff is willing to assist any teacher, student, or administrator interested in composting at either the campus or classroom level. Staff are available to do in-class worm bin presentations and set-up, as well as provide on-going assistance. For cafeteria composting, classroom worm bin presentation and set-up, or questions about composting in schools, call Natasha Stillman at (415) 554-3422 or SLUG's hotline at (415) 285-7585.

#### Resources Available in San Francisco

##### **Programs**

SLUG – San Francisco League of Urban Gardeners – (415) 285-SLUG.

##### **Speakers**

SFRP classroom presentation

SLUG classroom presentation – Contact Kathi Kinney at (415) 554-7584

##### **Videos**

*Home Composting: Turning Your Spoils to Soils.* Connecticut Environmental Protection and Recycling Program.

*It's Gotten Rotten.* Oley, Pennsylvania: Bullfrog Films.

*Organic Gardening: Composting.* Oley, Pennsylvania: Rodale Press/Bullfrog Films, Inc., 1972. 10 minutes.

*Recycling with Worms.* Food for All Foundation.

*Turning Garbage into Gold.* Uday Bhalwalker, 1990. 46 minutes.

### **Books**

Appelhof, Mary. *Worms Eat My Garbage.* Kalamazoo, Michigan: Flower Press, 1982.

Cook, Janet, and Shirley Bond. *Where Food Comes From.* London, England: Usborne Publishing, 1989.

Hand, Julia. *The Wonderful World of Wigglers.* Montpelier, Vermont: Common Roots Press/Food Works, 1995.

Katie B., *Annelida, the Wonder Worm.* Oakland: Sagittarian Press, 1991.

Raftery, Kevin, and Kim Gilbert Raftery. *Kids Gardening.* Palo Alto, California: Klutz Press.

### **Slides**

*Worms and Composting.* San Francisco Recycling Program

### **Curriculum and Activity Guides**

*Composting in Schools, a "How-to" Guide.* San Francisco Recycling Program.

*Worms in the Classroom.* San Francisco Recycling Program.